

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF PREVENTION, PESTICIDES
And TOXIC SUBSTANCES
Similarity determination

07/JUNE/2004

MEMORANDUM

Subject: EPA Reg. No: 34704-108 Clean Crop Malathion 57 EC
DP Barcode: D298198
Case No: 38309
PC Code: 057701

From: Masih Hashim, Toxicologist *MH*
Technical Review Branch *SCA*
Registration Division (7505C)

To: Marilyn Mautz, RM 01
Insecticide-Rodenticide Branch
Registration Division (7505C)

Applicant: Loveland Products, Inc., Greeley, CO 80632-1286

Action Desired: Evaluation of an eye study for the product.

Formulation: Malathion 57% as the active ingredient.
Inerts 47%

Recommendations: The eye irritation study (MRID 46152501) is in compliance with the Sub Division F guidelines. The product is moderately irritating to the rabbit eye, which meets Toxicity Category III.

The Registrant has the discretion to change the signal word to Warning (as requested).

#34704-108 Malathion 57%
P.C. Code 057701

RESULTS AND DISCUSSION:

Table 1. No of Animals affected / Total No. of animals

Lesion	1 hour	24 hours	48 hours	72 hours	4 days	7 days
corneal opacity	0/6	4/6	4/6	4/6	1/6	0/6
iritis	0/6	0/6	1/6	1/6	0/6	0/6
conjunctivitis	6/6	6/6	6/6	6/6	5/6	0/6

Only a score of "2" is considered positive for conjunctivitis.

A. **Observations** - All animals showed ocular irritation (corneal opacity, iritis and conjunctivitis) which subsided by day 7 (Table 1) . The product is a moderate irritant.

B. **Reviewer's Conclusions:** The Reviewer agrees with the Study Author's conclusion.

C. **Deficiencies** : None